

FILE NOTATIONS

Entered in NID File

✓

Checked by Chief

RLL

Entered On S R Sheet

✓

Copy NID to Field Office

✓

Location Map Pinned

✓

Approval Letter

✓

Card Indexed

✓

Disapproval Letter

✓

I W R for State or Fee Land

✓

COMPLETION DATA:

Date Well Completed

9-9-61

Location Inspected

SLG

OW

WW

TA

Bond released

GW

OS

PA

State of Fee Land

LOGS FILED

Driller's Log

10-3-61

Electric Logs (No.)

20

E

I

E-I

GR

GR-N

Micro

Lat

Mi-L

Sonic

Others

	18	
	X	

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Copy to HLC
Budget Bureau No. 42-R388.4
Approval expires 12-31-60.

Land Office **Salt Lake City, Utah**

Lease No. **U-04259-B**

Unit _____

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

JUN 22 1961, 19

Murphy Range
Well No. **1** is located **1133** ft. from **[N]** line and **1760** ft. from **[E]** line of sec. **18**
SW SE 18 28 S 19 E S14W
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildcat San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is **6264** ft. (approx. ground)

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Proposed Work:

1. Drill 20" hole to 50', cement 16" conductor pipe.
2. Drill 13-3/4" hole to 680'. Cement 10-3/4", 40.5# casing at 680'; with 240 sacks cement treated with 2% calcium chloride.
3. Drill 9-7/8" hole with air to 4090' (salt). Cement 7-5/8" 33.7# N-80 and 26# J-55 to 4090' with 200 sacks cement.
4. Drill 6-5/8" hole to 7000' (Cambrian). If commercial production is obtained, a Completion Notice will be issued.

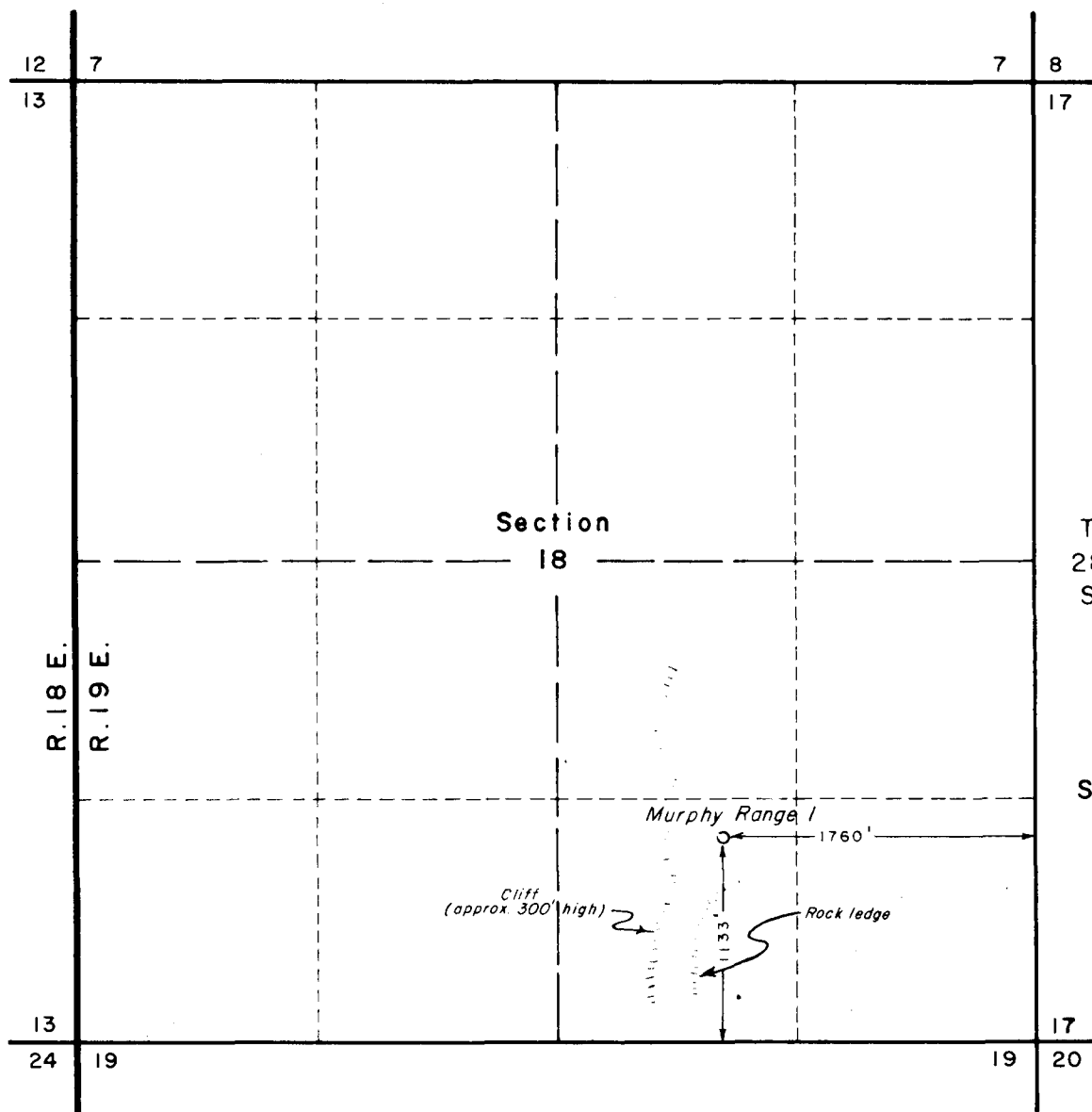
This unorthodox location is requested since the center of this 40-acre parcel is along side a 300'+ cliff. At the requested location, it will be practical to construct a suitable drilling site. The ownership of all oil and gas leases within a radius of 660' of the proposed location is common with the ownership of the oil and gas leases under the proposed location.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **Shell Oil Company**
Address **P. O. Box 1200**
Farmington, New Mexico

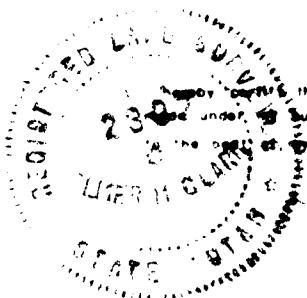
Original Signed By
W. M. MARSHALL

By **W. M. Marshall**
Title **Division Exploitation Engineer**



WELL LOCATION: Shell Oil Company — Murphy Range No. 1

Located 1760 feet West of the East line and 1133 feet North of the South line of Section 18,
 Township 28 South, Range 19 East, Salt Lake Base & Meridian.
 San Juan County, Utah
 Existing ground elevation determined at 6264 feet based on U.S.G.S. datum.



I, the above plat represents a survey
 under my supervision and that it is accurate
 to the best of my knowledge and belief.

Elmer M. Clark
 ELMER M. CLARK
 Registered Land Surveyor
 State of Utah (No. 2307)

Shell Oil Co., Farmington, N.M.

WELL LOCATION PLAT
 SW 1/4 - SE 1/4 Sec. 18, T28S, R19E
 San Juan Co., Utah

E.M. CLARK & ASSOC.
 Durango, Colorado

DATE: April 9, 1961
 FILE NO: 61026

June 23, 1961

Shell Oil Company
P. O. Box 1200
Farmington, New Mexico

Attn: W. M. Marshall, Div. Exploitation Eng.

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Murphy Range #1, which is to be located 1133 feet from the south line and 1760 feet from the east line of Section 18, Township 28 South, Range 19 East, SEPM, San Juan County, Utah.

Please be advised that insofar as this office is concerned approval to drill said well on said unorthodox location is hereby granted in accordance with Rule C-3 (c), General Rules and Regulations and Rules of Practice and Procedure, Utah State Oil and Gas Conservation Commission.

This approval terminates within 90 days if the above mentioned well has not been spudded in within said period.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT,
EXECUTIVE SECRETARY

CBF:avg

cc: Mr. Jerry W. Long, Dist. Eng.
U. S. Geological Survey

H. L. Coonts - OGCC, Moab

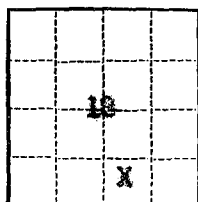
Salt Lake City, Utah

(SUBMIT IN TRIPLICATE)

Land Office

Lease No. U-042698

Unit



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	X
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

July 3

19 61

Murphy Range Unit

Well No. 1 is located 1133 ft. from ^{XX}S line and 1760 ft. from ^EW line of sec. 18

SW SE Sec. 18

2B S

19 E

SLER

(1/4 Sec. and Sec. No.)

(Twp.)

(Range)

(Meridian)

Wildcat

San Juan

Utah

(Field)

(County or Subdivision)

(State or Territory)

Kelly Bushing

The elevation of the ~~center~~ ^{top} above sea level is 6275 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Spudded 6-25-61

- 6-27-61 Ran and cemented 16" conductor pipe at 43' with 70 sacks cement. Treated with 2% calcium chloride.
- 6-30-61 Ran and cemented 10-3/4" - J-55, 40.5# casing at 721' with 400 sacks cement treated with 2% calcium chloride. No returns. Recemented outside 10-3/4" casing with 350 sacks cement treated with 2% calcium chloride. OK. Flanged up. Pressure tested casing and BOPE with 1000 psi. OK. Drilling with air.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Shell Oil Company

Address P. O. Box 1200

Farmington, N.M.

By *C. L. DeBussey*
for W. E. Marshall
Title Division Exploitation Engineer

(SUBMIT IN TRIPLICATE)

Land Office Salt Lake City, Utah

Lease No. U-04369B

Unit -

	18		
		X	

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	X
NOTICE OF INTENTION TO ABANDON WELL		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

August 8, 1961

Murphy Range

Well No. Unit-1 is located 1133 ft. from {S} line and 1760 ft. from {E} line of sec. 18

SW SE Sec. 18
(¼ Sec. and Sec. No.)

T. 28 S., R. 19 E.
(Twp.) (Range)

S12W
(Meridian)

Wildcat
(Field)

San Juan
(County or Subdivision)

Utah
(State or Territory)

Kelly Bushing

The elevation of the ~~derrick floor~~ above sea level is 6275 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

7-26-61 Ran and cemented 7-5/8", H-80-I-55, 33.7' - 26.4' casing at 4285' with 100 sz cement treated with 20% Diacel D followed by 100 sz neat cement.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Shell Oil Company

Address Box 1200

Farmington

New Mexico

Original Signed By
W. M. MARSHALL

By W. M. Marshall

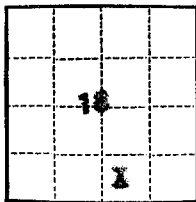
Title Division Exploitation Engr.

(SUBMIT IN TRIPLICATE)

Land Office Salt Lake City, Utah

Lease No. U-01269B

Unit ---



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	X
NOTICE OF INTENTION TO ABANDON WELL		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

August 23, 1961

Murphy Range

Well No. Unit #1 is located 1133 ft. from IN line and 1760 ft. from E line of sec. 18

SM. SE. Sec. 18
(1/4 Sec. and Sec. No.)

20 E.
(Twp.)

19 E.
(Range)

S. 1. E. 1/4
(Meridian)

Wildcat
(Field)

San Juan
(County or Subdivision)

Utah
(State or Territory)

Kelly Bushing

The elevation of the denudation above sea level is 6275 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudlogging jobs, cementing points, and all other important proposed work)

8-14-61 BBT #1 6237-6325 (Mississippian) BBI 60 min., open 3 hrs., PSI 2 hrs. Faint blow immediately, weak in 2 min., fair in 7 min., fair-good in 20 min., good in 1 hr. 45 min., good at end of test. (Dies with 1-1/8" choke open.) Recovered 4 barrels water cut mud, 4.8 barrels very slight oil cut black sulphur water. ISIP/PSIP 2020/1765, IFF/TFP 130/650, INP/THP 3740/3740. Salinity 69,300 PPM.

8-19-61 BBT #2 6338-6467 (Mississippian) BBI 60 min., open 2 hrs., PSI 2 hrs., blow weak immediately thru 3/16" choke, good in 7 min. (dies on 1" choke), weak on 7/16" choke in 45 min., very faint on 7/16" choke in 1 hr. and 45 min., weak on 3/16" choke in 1 hr. 30 min.,
(Continued - Over)

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

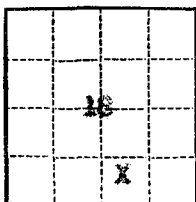
Company Shell Oil Company

Address Post Office Box 1200

Farmington, New Mexico

Original Signed By
W. M. MARSHALL

By W. M. Marshall
Title Division Exploitation Engineer



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R358.4.
Approval expires 12-31-60.

Land Office Salt Lake City
Utah
Lease No. U-042698

Unit _____

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....		SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....	X		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

September 6, 19 61

Murphy Range
Well No. Unit #1 is located 1133 ft. from N line and 1760 ft. from E line of sec. 18
SW SE Sec. 18 28 S 19 E S1E4
($\frac{1}{4}$ Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildcat San Juan Utah
(Field) (County or Subdivision) (State or Territory)

Kelly Bushing
The elevation of the derrick floor above sea level is 6275 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Proposed Work:

- With open end drill pipe plug as follows:
 - 50 sx. 6740-6840 (across top of Orray)
 - 75 sx. 6150-6300 (across top of Leadville)
 - 50 sx. 4235-4335 (across shoe of casing)
- Locate top of cement plug and recement if not above 4235'.
- Cement at surface with 10 sx. cement and install marker.

(Verbal approval from Mr. Feight (Utah Oil & Gas Commission) on 9-7-61 to Jack Thurber)
(Verbal approval from Mr. Duletsky (U.S.G.S.) on 9-6-61 to Jack Thurber)

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Shell Oil Company
Address P. O. Box 1200
Farmington, New Mexico

Original Signed By
W. M. MARSHALL
By W. M. Marshall
Title Division Exploration Engineer

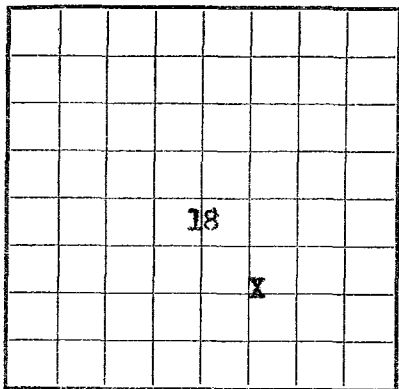
Form 9-330

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

U. S. LAND OFFICE Salt Lake City

SERIAL NUMBER U-04269B

LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Shell Oil Company Address P. O. Box 1200, Farmington, New Mexico
Lessor or Tract Federal Government Field Wildcat State Utah
Murphy Range Well No. Unit #1 Sec. 18 T. 28S R. 19E Meridian S.L.B.M. County San Juan
Location 1133 ft. N. of S. Line and 1760 ft. E. of E. Line of Sec. 18 Elevation 6275 KB
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Original Signed By
Signed W. M. MARSHALL

Date _____ W. M. Marshall Title Division Exploitation Engineer

The summary on this page is for the condition of the well at above date.

Commenced drilling June 26, 1961 Finished drilling September 9, 1961

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from _____ to _____ No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
16"	43	70	Sacks treated 2% CaCl	Displacment					Conduction Pipe
10-3/4"	721		(400 Sacks treated 2% CaCl	"					
			(350 Sacks treated 2% CaCl						

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
16"	43	70 Sacks treated 2% CaCl	Displacment	-	-
10-3/4"	721	(400 Sacks treated 2% CaCl	"	-	-
		(350 Sacks treated 2% CaCl			

MARK

FOLD

100 sx Reg.

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set

Adapters—Material Size

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from feet to 7193 feet, and from feet to feet

Cable tools were used from feet to feet, and from feet to feet

DATES

Abandoned Put to producing
 September 9, 1961

The production for the first 24 hours was barrels of fluid of which% was oil;%
 emulsion;% water; and% sediment. Gravity, °Bé.

If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in.

EMPLOYEES

....., Driller Brinkerhoff Drilling Co., Driller
 Lenard Starwalt W. L. Cooper
 , Driller

James Gracia

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
1180	1676	496	Moenkopi
1676	1760	84	White Rim
1760	2923	1163	Organ Rock
2923	4284	1361	Hermosa
4284	5725	1441	Paradox (Salt)
5725	6110	385	Lower Hermosa
6110	6220	110	Molas
6220	6782	562	Leadville
6782	6929	147	Ouray
6929	7128	199	Elbert
7128	-	-	McCracken
FROM—	TO—	TOTAL FEET	FORMATION
See Attached Drilling History			

FORMATION RECORD—Continued

0012 1281

Wildcat

(FIELD)

San Juan, Utah

(COUNTY)

DRILLING REPORT

FOR PERIOD ENDING

7-2-61

18

(SECTION OR LEASE)

T. 28 S., R. 19 E.

(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS
	FROM	TO	
			<p><u>Location:</u> 1133' N and 1760' W of SE corner, Section 18, T. 28 S., R. 19 E., S.L.B.M., San Juan County, Utah</p> <p><u>Elevation:</u> KB 6274.8 DF 6272.5 GL 6262.7</p> <p>Spudded 10:30 PM, June 26, 1961</p>
6-26- to 6-27	0	44	<p>Drilled 12-1/4" hole, reamed 43 feet with 17-1/2" bit, reamed to 26" hole.</p> <p>Ran and cemented 16" conductor pipe, bevel end, at 43' with 70 sacks regular cement treated with 2% calcium chloride.</p>
6-28			Rig up for Air drilling.
6-29	44	722	<p>Drilling 13-3/4" hole with air.</p> <p>Dev. 3/4" @ 68' 3/4" @ 213' 1/2" @ 491' 1/2" @ 99' 1/4" @ 275' 1/2" @ 554' 1/2" @ 127' 1/4" @ 339' 3/4" @ 617' 3/4" @ 186' 1/2" @ 460'</p>
6-30	-	-	Ran 24 joints of 10-3/4", 40.5#, J-55 casing and 721' Baker plain cement guide shoe @ 721' and Baker float collar @ 689'. Centralizers @ 684' and 627'. Cemented w/400 sacks regular cement + 2% calcium chloride. No returns. Recemented on outside with 200 sacks + 10 sacks L.C. material. No returns. Recemented outside with 150 sacks regular cement. Flanged up. Cement @ 219, plug @ 229. Cleaned out cement and plug. Drilling 9-7/8" hole.
7-1			
7-2	722	823	

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
26	0	43	16	43
13-3/4	43	722	10-3/4	721
DRILL PIPE SIZES			4-1/2	

Jack L. Thurber

SIGNED

SHELL OIL COMPANY

Murphy Range #1
 WELL NO.

Wildcat

(FIELD)

San Juan, Utah

(COUNTY)

DRILLING REPORT

FOR PERIOD ENDING

7-18-61

Sec. 18

(SECTION OR LEASE)

T. 28 S., R. 19 E.

(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS
	FROM	TO	
7-3 to 7-5	823	2344	Drilling 9-7/8" w/air Dev. 1° @ 777 1-1/2° @ 993 1° @ 1430 1-1/4° @ 808 1-1/4° @ 1055 1-1/4° @ 1554 1-1/4° @ 839 1° @ 1150 3/4° @ 1680 1-1/2° @ 870 1° @ 1246 1-1/2° @ 1804 1-1/4° @ 930 1° @ 1308 1-1/4° @ 1865 1-3/4° @ 2233
7-6	2344	2774	Drilling 9-7/8" w/air Dev. 1-3/4° @ 2358 2° @ 2484
7-7	2774		Hit moisture in interval 2609-2662 and began mist drilling. Stuck pipe @ 2618'. Backed off leaving 2 DC's and bit in hole. Top Fish @ 2548'. Ran jars, bumper sub, and safety joint. Stuck Fishing tools @ 2509'. Worked loose. Ran blank Drill pipe to 2355. Cleaned out to 2450' w/air. Hit bridge @ 2056' and 2274. Reamed from 2274 to 2548 after converting to mud drilling. Washed over Fish to 2605'. Ran overshot and recovered Fish. Ran bit to 1671 and hit bridge. Lost circulation. Recovered circulation w/954 bbls mud + 165 sacks L.C. material. Cleaned out to 2774.
7-11	2774		Drilling 9-7/8" hole w/mud Dev. 1-3/4° @ 2846 2° @ 3069 1-1/2° @ 3183 Mud: 8.9/48/10/2/8.5 1-1/2° @ 3285 1° @ 3430 1-1/2 @ 3520 Mud: 9.6/41/8.7/2/8.5 2° @ 3613 1° @ 3776 Mud: 9.6/43/9.4/2/9.5
7-18	3818		Lost circulation at 3818, regained with 700 barrels mud + 315 sacks lost circulation material. 1-1/2° @ 3818 + 215 sacks L.C. material.

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
26	0	43	16	43
13-3/4	43	722	10-3/4	721
DRILL PIPE SIZES 4-1/2				

Jack L. Thurber

SIGNED

Wildcat

(FIELD)

San Juan, Utah

(COUNTY)

DRILLING REPORT

FOR PERIOD ENDING

July 31, 1961

Section 18

(SECTION OR LEASE)

T. 28 S., R. 19 E.

(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS
	FROM	TO	
7-19	3818	3896	Drilling 9-7/8" hole. Lost circulation @ 3896'. Mixed 950 bbls. mud + 351 sacks L. C. material. Did not regain circulation. Cemented L.C. zone with 100 sacks cement + 2% calcium chloride. Found Plug 3890-3896'.
7-20	3896		Lost circulation from 3896-3902, regained after losing 150 bbls. Lost 250 bbls. mud in interval 4004-4020. Dev. 1-1/2° @ 3979. Lost 525 bbls. mud @ 4079'. Regained full circulation. Lost 150 bbls. mud from 4079-4092. Dev. 1° @ 4092'.
7-24	4294		Hit salt @ 4288'.
7-25	4294		Schlumberger ran IES, gamma-ray sonic and microlog-caliper logs from TD (4294) to shoe of surface casing. Lost 200 bbls. mud while conditioning hole @ 4294. Regained full circulation.
7-26	4294		Ran 7-5/8", 33.7# speedtite and 7-5/8", 26.4# ST & C casing. Cemented @ 4285 w/100 sacks cement treated with 20%. Diacel followed by 100 sacks neat cement. One top rubber plug. Finished 9:30 AM 7-26-61. Ran temperature survey and located cement top @ 3220'.
7-27	4294		Made up 3-1/2" DP, DC's and Kelly, converted to Salt base mud. Mud: 10.8/45/14/320,000
7-28	4294	4640	Drilling 6-5/8" hole. Dev. 3-1/4° @ 4614.
7-29	4640		Drilling 6-5/8" hole. Dev. 3° @ 4800' Mud: 10.2/54/6.8/2/9/310,000
7-30		5073	2-1/4° @ 4931 2-1/4° @ 5019
7-31	5073	5111	Cut Core #1 5073-5111 (38 ft.), full recovery. 6 hours coring. Core barrel jammed after cutting 38 ft. (same bit and barrel as used for Core #2).
8-1 to 8-4	5111	5801	Drilling 6-5/8" hole. Dev. 2° @ 5177 & 5270'. 2-3/4° @ 5394 Mud: 10.7/46/8/2/7/315,000 3-1/4° @ 5497 4-1/4° @ 5600 4-3/4° @ 5643 4-1/4° @ 5735 Mud: 10.6/42/5.8/2/7/316,000

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
26	0	43	16	43
13-3/4	43	722	10-3/4	721
DRILL PIPE SIZES 4-1/2				

Jack L. Thurber

SIGNED

SHELL OIL COMPANY

Murphy Range
 WELL NO. #1

Wildcat

(FIELD)

DRILLING REPORT

FOR PERIOD ENDING

Sec. 18

(SECTION OR LEASE)

San Juan County, Utah

(COUNTY)

T. 28 S., R. 19 E.

(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS
	FROM	TO	
8-4 to 8-5	5801	5861	Cut Core #2 5801-5861 (60 ft.), full recovery. Christensen Diamond Products Co. Core barrel #1311, size 4-3/4" x 2-5/8" x 60". Diamond Bit #R3860, type 50256, size 6-9/16" x 2-5/8" Average coring rate = 19.8 min./ft.
8-5	5861		Drilling 6-5/8" hole. Dev. 4° @ 5884' Mud: 10.6/51/6/1/7.5/315,000 3-1/2° @ 5942 3-3/4° @ 5970 1-3/4° @ 6013 Mud: 10.7/43/4.2/2/7/315,000 1-1/2° @ 6056 3° @ 6095
8-10 to 8-11	6137	6166	Cut Core #3 6137-6166 (29 ft.), full recovery. Same bit and barrel as used for Core #2. Coring rate 32-50 min./ft.
8-11 to 8-12	6166	6199	Drilling 6-5/8" hole. Dev. 2-3/4° @ 6199 Mud: 10.7/53/6.8/2/7/315,000

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
26	0	43	16	43
13-3/4	43	722	10-3/4	721
9-7/8	722	4294	7-5/8	4285
6-5/8	4294			
DRILL PIPE SIZES 3-1/2"				

Jack L. Thurber

SIGNED

SHELL OIL COMPANY

Murphy Range
Unit 1
WELL NO.

Wildcat

DRILLING REPORT
FOR PERIOD ENDING

Sec. 18

(FIELD)
San Juan, Utah
(COUNTY)(SECTION OR LEASE)
T. 28 S., R. 19 E.
(TOWNSHIP OR RANCH)

DAY	DEPTHS		REMARKS
	FROM	TO	
8-12	6199		Drilling 6-5/8" hole. Mud: 10.7/52/4.2/2/7/315,000
	to		Dev. @ 6265 = 1-1/2°
8-13	6265	6325	Cut Core No. 4, 6265-6325. Recovered 58 feet. Same bit and barrel as used for Core No. 2.
8-14			DST No. 1, 6237-6325, conventional test. Recovered 4 barrels water cut mud and 4.8 barrels very slightly oil cut black sulphur water. Reversed out.
8-15	6325		Reamed down core hole to bottom.
	to		
8-16	6359	6361	Cut Core No. 5, 6325-6359. Recovered 29 feet. Same bit and barrel as used for Core No. 2. Reamed down core hole to bottom and drilled 2 feet. Mud: 10.7/48/4.8/2/7/313,000
8-16	6361		Cut Core No. 6, 6361-6381. Recovered 20 feet. Same bit and barrel as used for Core No. 2.
	to		
8-17	6381		Cut Core No. 7, 6381-6421. Recovered 40 feet. Same bit and barrel as used for Core No. 2. Mud: 10.5/53/7.5/2/7/314,000
	to		
8-17	6381		Cut Core No. 8, 6421-6467. Recovered 40 feet. Same bit and barrel as used for Core No. 3.
	to		
8-18	6421		Ran DST No. 2, 6338-6467, conventional test. Recovered 5.5 barrels black sulphur water cut mud and 20.8 barrels black sulphur water.
	to		
8-18	6421		Reamed core hole to bottom. Drilling 6-5/8" hole. Mud: 10.8/48/4.4/1/7.8/314,000
	to		
8-19	6467		Dev. 2-1/4 @ 6526
8-19			Drilled 6-5/8" hole. Ave. Mud: 10.8/50/4.0/2/32/7/310,000
	to		
8-21	6467	7130	
	to		
9-4			

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
26	0	43	16	43
13-3/4	43	722	10-3/4	721
9-7/8	722	4294	7-5/8	4285
6-5/8	4294	6199		
DRILL PIPE SIZES 3-1/2"				

Jack L. Thurber

SIGNED

SHELL OIL COMPANY

Murphy Range
WELL NO. No. 1

DRILLING REPORT
FOR PERIOD ENDING

9-9-61

Wildcat

(FIELD)

San Juan, Utah

(COUNTY)

Sec. 18

(SECTION OR LEASE)

T. 28 S., R. 19 E.

(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS
	FROM	TO	
9-4 to 9-7	7130	7149	Drilled 6-5/8" hole. Mud: 10.9/56/6.0/2/32/7.0/312,000
9-7	7149	7193	Cut Core #9, 7149 to 7193, Recovered 44'.
9-7	7193		Ran Schlumberger logs. Gamma Ray-Neutron from 7193 to shoe of surface casing (721'). Latero, Micro Latero and Sonic Logs from 7193 to shoe of intermediate casing (4285').
9-8 to 9-9			Ran in hole with open end drill pipe and set the following cement plugs: 6840' - 50 sacks 6300' - 75 sacks 4335' - 75 sacks Found top of last plug at 4110'. Tested plug with 6000 pounds and it held okay. Set 10 sack surface plug and installed dry hole marker. Released rig at 4:00 P.M. 9-9-61.

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
26	0	43	16	43
13-3/4	43	722	10-3/4	721
9-7/8	722	4294	7-5/8	4285
6-5/8	4294	7130		
DRILL PIPE SIZES 3-1/2"				

Contractor: Brinkerhoff Drilling Company
Shell Tool Pusher: C. L. Christiansen
Contract Tool Pusher: Lenard Brown
Drillers: Lenard Starwalt
James Gracie
W. L. Cooper

Charles A. Woodward

SIGNED

DITCH SAMPLES

Examined by McLehane 68 to 720
 _____ to _____

Well Murphy Range Unit No. 1
 Field or Area Wildcat

From	To	%	Shows Underlined	Samples Lagged not
68	78	100	<u>Sandstone</u> , clear-light tan, very fine, well-rounded, unconsolidated.	
78	98	100	<u>Sandstone</u> , as above, clear-white.	
98	108	100	<u>Sandstone</u> , as above, with pink silt.	
108	118	100	<u>Sandstone</u> , as above, with white silt.	
118	128	100	<u>Silt</u> , tan.	
128	138	100	<u>Sandstone</u> , white very fine grade to silt.	
138	148	100	<u>Sandstone</u> , white-tan very fine to fine, well rounded.	
148	158	100	<u>Sandstone</u> , as above, very silty.	
158	168	50	<u>Sandstone</u> , as above.	
		40	<u>Shale</u> , reddish brown, slightly calcareous.	
		10	<u>Dolomite</u> , pink IVFA.	
168	198	100	<u>Shale</u> , as above, micaceous, sandy.	
198	208	100	<u>Sandstone</u> , clear-pink, very fine, well rounded, unconsolidated.	
208	288	100	<u>Sandstone</u> , as above, very fine grading to silty, pink and reddish brown, silty in part.	
288	308	100	<u>Sandstone</u> , as above, clear to pink, very fine.	
308	338	100	<u>Sandstone</u> , as above grading to slightly silty, pink-light red.	
338	420	100	<u>Silty Sandstone</u> , very fine sandstone grading to silt, pink, light tan-red.	
420	530	100	<u>Siltstone</u> , as above, sandy, light-tan.	
530	670	100	<u>Siltstone</u> , tan as above, trace sandstone grains.	
670	690	100	<u>Siltstone</u> , as above, with few scattered calcite crystals 680-690, very fine, possibly shale dust.	
690	700	20	<u>Sandstone</u> , red-brown, coarse - subround.	
		80	<u>Siltstone</u> , as above.	
700	705	50	<u>Sandstone</u> , as above.	
		50	<u>Siltstone</u> , as above.	
705	710	40	<u>Sandstone</u> , as above.	
		60	<u>Siltstone</u> , as above, becoming shaly.	
710	715	100	<u>Siltstone-shale</u> , red-brown.	
715	720	100	<u>Shale</u> , red-brown.	

DITCH SAMPLES

Examined by Thurber 6000* to 6060
 _____ to _____

Well Murphy Range #1
 Field or Area Wildcat

From	To	%	Shows Underlined	Samples Lagged (Not)
6000	6005	90	<u>Dolomite</u> , light medium grey, III/IVFA, silty in part, argillaceous, with occasional brown dolomitic, IVFA	
		10	<u>Shale</u> black, slightly carbonaceous.	
		tr	<u>Anhydrite</u> , white	
6005	6010	100	<u>Dolomite</u> , as above	
6010	6015	100	<u>Dolomite</u> , as above, with occasional IIVFA, grading to siltstone below. Note: Sample recovery very poor. Samples not reaching surface in sufficient quantities.	
6015	6030	80	<u>Siltstone</u> , medium gray, dolomitic, argillaceous, <u>trace dark brown oil stain(?)</u> No fluorescence or cut fluorescence.	
		20	<u>Dolomite</u> , as above	
6030	6035	70	<u>Shale</u> , dark grey-black, dolomitic, pyritic	
		20	<u>Siltstone</u> , as above	
		10	<u>Dolomite</u> , as above	
		tr	<u>Anhydrite</u> , white, soft, chalky	
6035	6040	70	<u>Dolomite</u> , medium grey-medium brown, III/IVFA, argillaceous, silty in part	
		20	<u>Siltstone</u> , as above	
		10	<u>Dolomite</u> , medium grey, as above	
		tr	<u>Shale</u> , as above	
6040	6045	50	<u>Dolomite</u> , dark brown, III/IVFA, argillaceous in part, slightly pyritic	
		20	<u>Dolomite</u> , medium grey-medium brown, III/IVFA, as above	
		10	<u>Siltstone</u> , as above	
		10	<u>Shale</u> , as above	
		10	<u>Anhydrite</u> , white, soft, as above	
6045	6050	60	<u>Dolomite</u> , dark brown, as above, <u>pale yellow fluorescence, poor faint milky white, cut fluorescence</u>	
		10	<u>Dolomite</u> , medium grey-brown, as above	
		10	<u>Siltstone</u> , as above	
		20	<u>Limestone</u> , tan, IVFA, <u>trace dark brown oil stain, faint pale yellow fluorescence, poor faint milky white cut fluorescence.</u>	
		tr	<u>Anhydrite</u> , as above	
6050	6055	60	<u>Limestone</u> , tan-light brown, IVFA - II/IVFA trace B, <u>oil stain</u> as above	
		30	<u>Dolomite</u> , dark brown, as above	
		10	<u>Siltstone</u> , as above	
6055	6060	80	<u>Dolomite</u> , medium grey-brown, III/IVFA, silty in part, argillaceous in part, <u>dark brown oil stain, pale yellow fluorescence, poor faint milky white cut fluorescence</u>	
		20	<u>Limestone</u> , tan-light brown, as above	

*Samples not logged by Shell Engineer above 6000'.

DITCH SAMPLES

Examined by _____ 6060 to 6115
 _____ to _____

Well Murphy Range #1
 Field or Area Wildcat

From	To	%	Shows Underlined	Samples Lagged
6060	6065	80	<u>Limestone</u> , tan-very light brown III/IVFA-IIVFA, trace B., <u>occasionally dark brown-black oil stain, weak light blue fluorescence, fair milky white cut fluorescence</u>	
		20	<u>Dolomite</u> , as above	
6065	6070	100	<u>Limestone</u> , as above, with abundant forams	
6070	6075	100	<u>Limestone</u> , as above with Fusilinids, occasionally white anhydrite filled vugs.	
		tr	<u>Dolomite</u> , as above	
6075	6080	50	<u>Limestone</u> , white-buff, IIVFA, soft, <u>trace dark brown oil stain, pale yellow fluorescence, no cut fluorescence</u>	
		50	<u>Limestone</u> , tan - light brown, I/IIVFA, trace oil stain and fluorescence as above	
6080	6085	60	<u>Limestone</u> , white-buff, as above	
		30	<u>Limestone</u> , tan-light brown, as above with occasionally very fine floating sand grains	
		10	<u>Shale</u> , light green, soft calcareous, silty in part.	
6085	6090	40	<u>Limestone</u> , white-buff, as above	
		30	<u>Limestone</u> , tan-light brown, as above	
		30	<u>Chert</u> , orange - brown	
6090	6095	40	<u>Limestone</u> , white-buff, as above	
		60	<u>Limestone</u> , tan-light brown, as above with abundant very fine sand grains	
		tr	<u>Chert</u> , as above	
		tr	<u>Shale</u> , as above	
6095	6100	60	<u>Limestone</u> , tan-light brown, as above	
		30	<u>Limestone</u> , white-buff, as above	
		10	<u>Chert</u> , as above	
		tr	<u>Shale</u> , as above	
6100	6105	40	<u>Limestone</u> , tan-light brown, as above, occasionally very fine sand grains.	
		20	<u>Limestone</u> , white-buff, as above	
		30	<u>Shale</u> , light green-pale blue green	
		10	<u>Dolomite</u> , light medium brown, IF-IA, sandy in part, with occasional abundant milky white chert partings, <u>trace dark brown oil stain(?) yellow fluorescence, no cut fluorescence, mineral fluorescence(?)</u>	
6105	6110	80	<u>Dolomite</u> , light-medium brown, as above	
		20	<u>Limestone</u> , tan-light brown, as above	
		tr	<u>Limestone</u> , white-buff, as above	
		tr	<u>Shale</u> , as above	
6110	6115	90	<u>Dolomite</u> , as above, siliceous in part	
		10	<u>Shale</u> , as above, with occasional purple	
		tr	<u>Limestone</u> , as above	

DITCH SAMPLES

Examined by Thurber 6115 to 6210
 _____ to _____

Well Murphy Range #1
 Field or Area Wildcat

From	To	%	Shows Underlined	Samples Lagged (Not)
6115	6120	80	<u>Dolomite</u> , as above, more siliceous, with abundant milky white-orange chert partings	
		20	<u>Shale</u> vari-colored, very-silty, calcareous in part, dolomitic in part	
6120	6125	90	<u>Shale</u> , orange red, soft (<u>Top of Molas</u>)	
		10	<u>Dolomite</u> , as above	
6125	6130	60	<u>Limestone</u> , light tan, occasionally white, I/II VFA, hard, Fusilinids, no fluorescence or cut fluorescence	
		40	<u>Shale</u> , vari-colored, very silty	
		tr	<u>Dolomite</u> , as above	
6130	6135	80	<u>Shale</u> , orange red, soft	
		20	<u>Limestone</u> , as above	
6135	6137	40	<u>Limestone</u> , white, II VFA, soft, chalky (circulation samples for Core #3)	
		30	<u>Shale</u> , orange red, soft	
		10	<u>Dolomite</u> , as above	
		10	<u>Limestone</u> , light tan, I/II VFA, as above	
		10	<u>Shale</u> , vari-colored, very silty, as above	
		tr	<u>Chert</u> , as above	
6137	6166		Cut Core #3 (29') full recovery. <u>Shale</u> with occasional <u>limestone</u> interbeds and inclusions. See core description.	
6166	6170	90	<u>Shale</u> , red brown to orange brown, soft, calcareous in part with occasional tan limestone inclusions, I-I/III VFA.	
		10	<u>Shale</u> , light green and lavender, non-calcareous to calcareous.	
6170	6185	100	<u>Shale</u> , as above, with trace shale, black, silty in part, slightly calcareous.	
6185	6200	100	<u>Shale</u> , as above, with abundant light gray shale mottling, trace dolomite, tan-brown, III/I VFA.	
6200	6205	50	<u>Shale</u> , red brown-lavender pink, calcareous in part, occasional light gray mottling, occasional light green shale partings (trip sample).	
		40	<u>Shale</u> , black, silty in part, non-calcareous, soft-brittle, carbonaceous.	
		10	<u>Siltstone</u> , gray, sandy, dolomitic.	
		tr	<u>Dolomite</u> , brown, III/I VFA.	
		tr	<u>Limestone</u> , white-tan, I/III-I/II VFA.	
6205	6210	60	<u>Shale</u> , red-brown, as above.	
		10	<u>Siltstone</u> , as above.	
		20	<u>Limestone</u> , white-gray, II-II/I VFA.	
		tr	<u>Dolomite</u> , light gray-brown, III VFA.	

DITCH SAMPLES

Examined by Thurber 6210 to 6381
_____ to _____Well Murphy Range #1
Field or Area Wildcat

From	To	%	Shows Underlined	Samples Lagged (Not)
6210	6215	80	<u>Shale</u> , as above	
		20	<u>Siltstone</u> , as above	
		Tr	<u>Limestone</u> , as above	
6215	6225	90	<u>Shale</u> , as above	
		10	<u>Siltstone</u> , as above	
6225	6230	60	<u>Limestone</u> , white, occasionally tan, II-II/I VFA	
		40	<u>Shale</u> , as above	
6230	6235	100	<u>Limestone</u> , as above	
		Tr	<u>Shale</u> , as above	
6235	6238	100	<u>Dolomite</u> , light gray brown, III VFA, tr B, silty, argillaceous, pale yellow mineral fluorescence, no cut fluorescence (circulation samples).	
6238	6245	90	<u>Dolomite</u> , as above	
		10	<u>Limestone</u> , white, as above	
6245	6250	80	<u>Dolomite</u> , tan-light brown, III VFA, tr B and C, silty in part, fluorescence, as above	
		10	<u>Limestone</u> , white, as above	
		10	<u>Shale</u> , red brown-pink, with light gray mottling	
6250	6255	60	<u>Limestone</u> , white, II VFA, chalky, clean, fossiliferous, occasional light green shale partings	
		30	<u>Dolomite</u> , tan-light gray, III VFA, silty in part, tr B and C, fluorescence, as above, with occasional light green shale partings.	
		10	<u>Shale</u> , maroon and white mottling, oxidation(?)	
6255	6260	60	<u>Dolomite</u> , as above	
		30	<u>Limestone</u> , as above	
		10	<u>Shale</u> , as above	
6260	6265	70	<u>Dolomite</u> , tan-gray brown, III VFA-I/III VFA, tr B.	
		20	<u>Limestone</u> , as above	
		10	<u>Shale</u> , as above	
6265	6325		Core #4 Rec. 58 feet <u>Dolomite</u> and <u>Limestone</u> (see core description).	
6325	6359		Core #5 Rec. 29 feet <u>Limestone</u> , <u>Shale</u> and <u>Dolomite</u> (see core description).	
6359	6361		Drilled 2 feet.	
6361	6381		Core #6 Rec. 20 feet <u>Dolomite</u> (see core description).	

DITCH SAMPLES

Examined by Thurber 6381 to 6565
Woodward 6565 to 6625

Well Murphy Range #1
 Field or Area Wildcat

From	To	%	Shows Underlined	Samples Lagged (Not)
6381	6421		Core #7 Rec. 40 feet <u>Dolomite</u> , occasional shale partings (see core description).	
6421	6467		Core #8 Rec. 40 feet <u>Dolomite</u> , occasional shale partings and anhydrite inclusions (see core description).	
6467	6485	100	<u>Dolomite</u> , light cream-white, I/III VF, Btr-3, Ctr-3, occasional dark gray stylolite streaks, occasional pale green shale partings, occasional white anhydrite inclusions.	
6485	6495	70	<u>Dolomite</u> , as above	
		30	<u>Dolomite</u> , medium gray-light brown, III/I VFA tr B, tr C.	
6495	6500	90	<u>Dolomite</u> , light cream-white, as above	
		10	<u>Dolomite</u> , medium gray-light brown, as above	
6500	6515	90	<u>Dolomite</u> , light cream-white, I/III VF-III/I VF, Btr-2, Ctr.	
		10	<u>Anhydrite</u> , white, soft, chalky	
6515	6525	90	<u>Dolomite</u> , as above	
		10	<u>Anhydrite</u> , as above	
		Tr	<u>Dolomite</u> , light-medium gray, III VFA.	
6525	6535	50	<u>Dolomite</u> , light cream-white, as above	
		50	<u>Dolomite</u> , light brown-tan, III/I VF, Btr-3, Ctr.	
6535	6545	80	<u>Dolomite</u> , light brown-tan, as above	
		20	<u>Dolomite</u> , light cream-white, as above	
6545	6565	90	<u>Dolomite</u> , light brown-tan, III/I-III VF, Btr-3, C2-5.	
		10	<u>Dolomite</u> , light cream-white, as above	
		Tr	<u>Anhydrite</u> , white, as above	
6565	6575	85	<u>Dolomite</u> , tan and white, III-III/I VF-F, Btr-2, Ctr-2.	
		15	<u>Dolomite</u> , white, IF-MA, Ctr-1, trace white chert	
6575	6580	95	<u>Dolomite</u> , tan and white, III-III/I VF-F B, Ctr-1, trace brown chert.	
		5	<u>Dolomite</u> , white, as above	
6580	6620	95	<u>Dolomite</u> , tan and white, III-III/I VF-F, B2-5, C1-3, Dtr.	
		5	<u>Dolomite</u> , white, IF-MA, Ctr-2 (10% 6600-05') (trace shale, light blue gray and green gray, very pyritic 6580-85', trace anhydrite crystals 6610-15')	
6620	6625	80	<u>Dolomite</u> , tan and white, III/I-I/III VF-F, B1-3, Ctr-2, scattered anhydrite crystals.	
		20	<u>Dolomite</u> , white, IVF-MA, Btr-2, Ctr-1 (crinoid).	

DITCH SAMPLES

Examined by Woodward 6625 to 6790
 _____ to _____

Well Murphy Range #1
 Field or Area Wildcat

From	To	%	Shows Underlined	Samples Lagged (Not)
6625	6635	100	<u>Dolomite</u> , tan and white, III/I-IVF-F, B2-4, Ctr-2, Dtr-1 (chain coral 25'-30'), scattered anhydrite crystals and blebs, trace white and gray chert.	
6635	6650	100	<u>Dolomite</u> , as above, B2-6, C1-3, D1-2, light green gray pyritic shale partings.	
		Tr	<u>Sandstone</u> , clear, very fine, quartzitic, dolomite cementing, round grained, fair sorting, micaceous, grades into a sandy dolomite.	
6650	6655	100	<u>Dolomite</u> , white and tan, I/III-I VF-F, B2-4, C1-2, scattered anhydrite crystals and blebs.	
6655	6660	100	<u>Dolomite</u> , white and tan, I-I/III VF-F, B1-3, C1, Dtr, scattered anhydrite crystals and blebs.	
6660	6665	100	<u>Dolomite</u> , tan, III/I-I VF-F, B2-4, Ctr-1, scattered anhydrite crystals.	
6665	6685	100	<u>Dolomite</u> , as above, Btr-2, stylolitic, thin laminae of black shale.	
6685	6700	100	<u>Dolomite</u> , as above, B1-3, with thin interbeds of light gray, IVFA dolomite, also thin laminae of black shale.	
6700	6710	100	<u>Dolomite</u> , as above, Btr-1, with thin interbeds of light gray, IVFA dolomite.	
6710	6725	100	<u>Dolomite</u> , tan - light brown, III-IVF-F, B1-3, ostracods and dolomitized pellets or oolites?, occasional anhydrite blebs, black shale partings.	
6725	6735	100	<u>Dolomite</u> , light - medium brown, I-III VF-F, Btr-1, dolomitized pellets or oolites?, occasional anhydrite blebs.	
6735	6740	100	<u>Dolomite</u> , medium brown, III-I F, B2-4.	
6740	6745	100	<u>Dolomite</u> , as above, F-M, B2-4, calcareous.	
6745	6755	100	<u>Dolomitic Limestone</u> , medium brown, I-III VF-M, Btr, F-M dolomite rhombs in a lime matrix, occasional anhydrite crystals.	
6755	6760	50	<u>Dolomitic Limestone</u> , as above.	
		50	<u>Dolomite</u> , light brown, I-III VF-F, Btr, occasional anhydrite crystals and blebs.	
6760	6775	100	<u>Dolomite</u> , light - medium brown and light - medium brown gray, IVFA, abundant anhydrite crystals and blebs.	
6775	6790	100	<u>Dolomite</u> , light - medium gray, with minor light brown, IVFA, slightly calcareous (dolomitized fossil material 80-85'), occasional anhydrite crystals.	

DITCH SAMPLES

Examined by Woodward 6790 to 6975
 _____ to _____

Well Murphy Range No. 1
 Field or Area _____

From	To	%	Shows Underlined	Samples Tagged
6790	95	70	<u>Limestone</u> , light grey, IVFA, pyritic, argillaceous	
		20	<u>Shale</u> , light grey, very calcareous, pyritic	
		10	<u>Dolomite</u> , medium brown, IVFA	
6795	6800	50	<u>Dolomite</u> , as above	
		40	<u>Limestone</u> , as above	
		10	<u>Shale</u> , as above	
6800	05	70	<u>Dolomite</u> , as above calcareous in part dolomite rhombs in lime matrix	
		30	<u>Limestone</u> , as above	
6805	10	50	<u>Limestone</u> , medium brown, IVFA, slightly pyritic	
		20	<u>Limestone</u> , light grey, as above	
		30	<u>Dolomite</u> , as above	
6810	6885	100	<u>Limestone</u> , white to light brown. IVF-FA, occasional large Dolomite crystals, occasional green shale partings and white chalky limestone fragments probably due to crushing action of bit (probably originally a pelletal lime mud)	
6885	95	70	<u>Limestone</u> , as above	
		30	<u>Dolomite</u> , white IIA	
6895	6930	100	<u>Limestone</u> , white - medium brown, IVF-FA, occasional fine to large Dolomite crystals, occasional crinoid, bryozoan, and shell fragments, occasional light red and green shale partings	
6930	35	90	<u>Limestone</u> , as above	
		10	<u>Dolomite</u> , white IF-MA, occasional M-C floating sand grains.	
6935	50	100	<u>Dolomite</u> , white-light grey and light brown, IVF-MA, occasional M-C red floating sand grains, pyritic, occasional light red and green shale partings	
6950	55	100	<u>Dolomite</u> , light medium brown, IVF-FA, occasional light red and green shale partings, styalitic	
6955	60	100	<u>Dolomite</u> , light medium brown and light grey I/III VF-FA, pyritic (gray discoloration halo's associated with pyrite cubes and mosses), grey shale parting	
6960	65	100	<u>Dolomite</u> , as above, white - light grey and light brown, light red brown, silty, micaceous shale partings also occasional green shale parting	
6965	70	90	<u>Dolomite</u> , as above light brown mottled light green with some light green - light grey cutting pieces	
		10	<u>Shale</u> , red brown, silty micaceous also shale, green pyritic	
6970	75	90	<u>Dolomite</u> , as above, light brown with occasional green mottling	
		10	<u>Shale</u> , as above	

DITCH SAMPLES

Examined by Woodward 6975 to 7115
 _____ to _____

Well Murphy Range No. 1
 Field or Area _____

From	To	%	Shows Underlined	XXXXXXXXXXXX
6975	6985	90	<u>Dolomite</u> , light brown, with minor light green. I/III VF-FA, occasional streaks of floating sand grains, pyritic.	
		10	<u>Shale</u> , green and minor reddish brown, pyritic, micaceous.	
6985	7005	90	<u>Dolomite</u> , light brown with minor light green, IVF-FA, occasional streaks of F-M round floating sand grains.	
		10	<u>Shale</u> , green micaceous, pyritic, waxy, occasional streaks with F-M rounded floating sand grains.	
7005	7010	70	<u>Dolomite</u> , as above.	
		10	<u>Shale</u> , as above.	
		20	<u>Sandstone</u> , clear, F-M well rounded quartz grains, fair sorting, compacted and dolomite cemented, some porosity, (occur as sand stringers and thin interbeds).	
7010	7020	40	<u>Dolomite</u> , as above (with sandy streaks).	
		40	<u>Sandstone</u> , as above.	
		20	<u>Shale</u> , as above (sandy and with sandy streaks).	
7020	7040	90	<u>Sandstone</u> , clear, F-M, well rounded Quartz grains, fair sorting (poor-good), compacted and dolomite cement, some porosity 5%+.	
		10	<u>Shale</u> , red brown silty.	
7040	7045	60	<u>Dolomite</u> , light-medium brown with minor light reddish brown, IVFA.	
		30	<u>Sandstone</u> , as above.	
		10	<u>Shale</u> , as above (green and red brown).	
7045	7050		Missing	
7050	7055	80	<u>Dolomite</u> , light-medium brown, IVF-FA, occasional streaks of fine-medium well rounded floating quartz grains.	
		10	<u>Shale</u> , green and red brown, streaks of fine-medium well rounded floating quartz grains.	
		10	<u>Sandstone</u> , clear green and brown, fine, rounded quartz grains, good sorting, compacted to abundant dolomite cement.	
7055	7060	100	<u>Dolomite</u> , as above, medium brown, I-III VF-FA C ₂ green shale partings.	
7060	7065	80	<u>Dolomite</u> , as above, IVFA w/minor III VF-FA.	
		10	<u>Shale</u> , as above.	
		10	<u>Sandstone</u> , as above.	
7065	7090	100	<u>Dolomite</u> , medium brown, IVF-FA with minor III VF-FA, occasional to abundant streaks of fine-medium well rounded floating quartz grains, red brown and green shale partings with floating quartz grains, occasional mats of anhydrite crystals.	
7090	7115	100	<u>Dolomite</u> , medium brown w/occasional medium gray, IVF-FA, occasional- numerous streaks of well rounded floating quartz grains, green and red brown, shale partings w/floating quartz grains, occasional clear fine-medium sandstone stringers, occasional pyrite cubes, also occasional anhydrite crystals.	

DITCH SAMPLES

Examined by Woodward 7115 to 7149
 _____ to _____

Well Murphy Range No. 1
 Field or Area _____

From	To	%	Shows Underlined	Samples Lagged (Not)
7115	7120	60	<u>Dolomite</u> , as above, light brown and minor light gray, numerous streaks of floating quartz grains and clear sandstone stringers.	
		30	<u>Siltstone</u> , light green to brown, sandy, micaceous, very calcareous.	
		10	<u>Shale</u> , black, red brown and green.	
7120	7125	90	<u>Dolomite</u> , as above, light brown and light medium gray (gray dolomite is argillaceous), numerous streaks of floating quartz grains, occasional anhydrite crystals.	
		10	<u>Shale</u> .	
7125	7130	60	<u>Dolomite</u> , as above, medium brown - medium gray, argillaceous.	
		10	<u>Shale</u> , medium brown.	
		30	<u>Sandstone</u> , clear - white, fine - medium, well rounded quartz grains, poor - fair sorting, abundant dolomite, cemented - compacted, glauconitic.	
7130	7145	100	<u>Sandstone</u> , as above, very abundant dolomite cementing and abundant glauconite.	
7145	7149	85	<u>Sandstone</u> , as above, very abundant dolomite cementing and abundant glauconite.	
		15	<u>Dolomite</u> , light - medium brown, I-III FA.	
1 hr. circulation samples at 7149.				
		70	<u>Sandstone</u> , as previous sample.	
		30	<u>Dolomite</u> , as above.	
7149	7193		Core No. 9.	
			Total Depth 7193'.	

SHELL OIL COMPANY

CORE RECORD

AREA OR FIELD Wildcat

COMPANY Shell Oil Company

LEASE AND WELL NO. Murphy Range #1

DATE July 31, 1961

CORE FROM 5073 TO 5111

CORES EXAMINED BY Stan Day and Jack Thurber

NO.	FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATIONS OIL-GAS CORE OR DITCH
1	5073	5111	38'	<p><u>Dolomite, shale and anhydrite</u></p> <p>3' dolomite, medium gray, II VFA, argillaceous to dolomitic shale, with 3/4" veins of salt.</p> <p>14' shale, dark gray to black, dolomitic, hard, brittle, veins of salt.</p> <p>6' dolomite, medium - dark brown gray, III/I VFA to I/III VF tr. B tr. C, argillaceous, black shale partings, veins of salt and pyrite, fair to good oil staining, salt veins heavily stained with dark brown oil.</p> <p>13' anhydrite, milky white to gray, sucrosic, containing large percentage of dolomite, III VFA, shale partings, bright yellow fluorescence on fractures, bleeding brown oil from shale partings 5101-5104, veins of salt.</p> <p>1' shale, black, slightly pyritic, irregular bedding, 3" white anhydrite bed.</p> <p>1' anhydrite, light gray, dense, crystalline, irregular fractures filled with salt.</p> <p><u>Note:</u> Core taken for geological purposes. Cored at 3 to 16 minutes per foot.</p>		<p>10°(f)</p> <p>10°(f)</p> <p>None</p> <p>None</p>	<p>Pinpoint yellow fluor., weak cut fluor.</p> <p>Pinpoint yellow fluor., bright yellow cut fluor., good odor.</p> <p>Spotty to uniform yellow fluor., good yellow streaming cut fluor.</p> <p>Yellow and blue fluor., good streaming yellow cut fluor.</p>

SHELL OIL COMPANY

WEEK ENDING August 5, 1961

CORE RECORD

CORE FROM 5801 TO 5843

AREA OR FIELD Wildcat

COMPANY Shell Oil Company

CORES EXAMINED BY Roy Few

LEASE AND WELL NO. Murphy Range No. 1

NO.	FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATIONS OIL - GAS
							CORE OR DITCH
2	5801	5861	60'	Interbedded Dolomite, Shale and Anhydrite.		None	No fluorescence or cut fluorescence
	5801	5804	3'	Anhydrite, light-medium gray to light brown, sucrosic, crystalline, occasional argillaceous streaks.			
	5804	5805	1'	Shale, light blue gray, micaceous, flaky.			
	5805	5810	5'	Anhydrite, white to light gray, crystalline to sucrosic, occasionally light brown, IIIVFA, dolomite partings, occasional dark gray shale partings.			
	5810	5811	1'	Anhydrite, as above, with abundant very dark gray 1/4" - 1/2" stylolite streaks.			
	5811	5814	3'	Dolomite, medium-dark brown, III-IVFA, argillaceous, micaceous, occasional very dark gray stylolite streaks.			
	5814	5815	1'	Shale, dark brownish gray, dolomitic, micaceous.			
	5815	5816	1'	Anhydrite, light gray, IVFA, occasional light brown dolomite partings.			
	5816	5818	2'	Dolomite, medium brown-medium gray, III-IVFA, argillaceous, occasional light gray anhydrite inclusions.			
	5818	5820	2'	Anhydrite, white-light gray, with abundant light brown dolomite partings and interbeds.			
	5820	5822	2'	Shale, black, platy, occasional white anhydrite inclusions.			
	5822	5824	2'	Dolomite, light-dark brown, argillaceous in part, occasional pyrite inclusions.			
	5824	5825	1'	Shale, dark gray-black, dolomitic in part.			
	5825	5832	7'	Anhydrite, white-light gray, occasional dark gray stylolite streaks, occasional medium brown dolomite partings.			
	5832	5833	1'	Anhydrite, light brown-medium gray, IIIVFA, with abundant interbeds of dolomite, IIIVFA.			
	5833	5834	1'	Dolomite, very light gray-very light brown, IIIVFA, micaceous, with occasional white anhydrite inclusions.			
	5834	5835	1'	Dolomite, as above.			
	5835	5836	1'	Shale, very dark gray, dolomitic.			
	5836	5839	3'	Dolomite, medium brown-light gray, IIIVFA, argillaceous, with occasional light gray shale partings.			
	5839	5840	1'	Anhydrite, light gray, argillaceous, with occasional light gray shale partings.			
	5840	5841	1'	Shale, very light gray, dolomitic to very dolomitic.			
	5841	5843	2'	Anhydrite, white-light brown, IVFA, dolomitic in part, argillaceous in part.			

SYMBOLS: C-CLAY OR SHALE (SAND 0-5%). 1-CLAY OR SHALE WITH SAND STREAKS (SAND 5-25%). 2-CLAY OR SHALE AND SAND (SAND 25-60%). 3-SAND WITH SHALE STREAKS (SAND 60-90%). S-SAND (90-100%).
NOTE: SHOW FLUID CONTENT AS IN STANDARD LEGEND.

SHELL OIL COMPANY

CORE RECORD

WEEK ENDING August 5, 1961

CORE FROM 5843 TO 5861

CORES EXAMINED BY Roy Few

AREA OR FIELD Wildcat

COMPANY Shell Oil Company

LEASE AND WELL NO. Murphy Range No. 1

NO.	FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATIONS OIL-GAS CORE OR DITCH
2	5801	5861	60'	Continued			
	5843	5846	3'	<u>Shale</u> , light-dark gray, micaceous, dolomitic, occasional light brown dolomite partings, IIIIVFA.			
	5846	5847	1'	<u>Shale</u> , very light blue gray, micaceous.			
	5847	5848	1'	<u>Shale</u> , very dark brownish gray, dolomitic.			
	5848	5849	1'	<u>Anhydrite</u> , very light gray, crystalline, occasional light brown dolomite partings, IIIIVFA.			
	5849	5850	1'	<u>Shale</u> , medium gray, dolomitic(?).			
	5850	5851	1'	<u>Dolomite</u> , very light gray, IIIIVFA-IIVFA, argillaceous in part, micaceous.			
	5851	5852	1'	<u>Shale</u> , very light blue gray, dolomitic in part.			
	5852	5855	3'	<u>Dolomite</u> , very light blue gray, IIIIVFA, micaceous, argillaceous in part, occasional white anhydrite inclusions, occasional light gray shale partings.			
	5855	5856	1'	<u>Dolomite</u> , medium brown, III-IVFA, argillaceous.			
	5856	5857	1'	<u>Dolomite</u> , very light blue gray, IIIIVFA, slightly silty.			
	5857	5859	2'	<u>Shale</u> , very light gray, dolomitic in part, micaceous in part, occasional light gray dolomite partings.			
	5859	5860	1'	<u>Shale</u> , very dark brownish gray, dolomitic in part.			
	5860	5861	1'	<u>Dolomite</u> , medium brown, III-IVFA, calcareous, anhydritic in part, argillaceous in part.			
				Note: The lower half (5834-61) of the core was dropped during extraction from barrel and scattered on the rig floor. Therefore, the order of lithology from 5834 to 5861 is questionable.			

SYMBOLS: C-CLAY OR SHALE (SAND 0-5%). 1-CLAY OR SHALE WITH SAND STREAKS (SAND 5-25%). 2-CLAY OR SHALE AND SAND (SAND 25-60%). 3-SAND WITH SHALE STREAKS (SAND 60-90%). S-SAND (90-100%).

NOTE: SHOW FLUID CONTENT AS IN STANDARD LEGEND.

SHELL OIL COMPANY

CORE RECORD

WEEK ENDING August 11, 1961

CORE FROM 6137 TO 6166

CORES EXAMINED BY J. L. Thurber

AREA OR FIELD Wildcat

COMPANY Shell Oil Company

Murphy Range

LEASE AND WELL NO. #1

NO.	FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATIONS OIL-GAS
							CORE OR DITCH
3	6137	6166	29'	Shale with Limestone Interbeds.		None	No stain, odor, fluorescence or cut fluorescence
	6137	6138	1'	Shale, reddish brown, slightly silty, firm to hard, non-calcareous, calcite helaed hairline fractures.			
	6138	6141	3'	Shale, as above, interbedded with Limestone, tan to light gray, I-I/IIIVFA, with abundant light green soft shale partings and occasional gray-green and purple soft shale partings. Contorted depositional features.			
	6141	6145	4'	Shale, reddish brown, soft, non-calcareous, with light green soft shale partings and light gray-green shale mottling. Abundant slickensided surfaces (possibly caused by coring).			
	6145	6149	4'	Shale, reddish brown, becoming calcareous, soft to firm, with occasional light gray green shale inclusions (1") and mottling. Occasional medium to large imbedded pebbles at base.			
	6149	6152	3'	Shale, reddish brown, calcareous, soft to firm, with Limestone, tan to brown, I-I/IIIVFA inclusions to 1-1/2" diameter, occasional pebbles as above and occasional light gray green shale mottling.			
	6152	6154	2'	Shale, as above, with 1/4" to 1/2" limestone inclusions, occasional pebbles, as above, slickensides, as above.			
	6154	6155	1'	Shale, lavender, non-calcareous, soft, with light gray green shale streaks, occasional limestone inclusions to 1/2" as above.			
	6155	6158	3'	Shale, reddish brown, soft to firm, calcareous, abundant imbedded medium to large pebbles, occasional light gray green shale partings, occasional limestone inclusions to 1/2" as above, occasional slickensides as above.			
	6158	6161	3'	Shale, reddish brown, predominantly calcareous, soft, occasional limestone inclusions, pebbles and light gray green shale partings, as above, occasional slickensides as above.			
	6161	6163	2'	Shale, reddish brown, non-calcareous, soft, occasional light gray green shale partings.			
	6163	6166	3'	Shale, reddish brown, soft, slightly calcareous becoming calcareous at base, occasional light gray green shale partings and inclusions at top, slightly silty at base.			

SYMBOLS: C-CLAY OR SHALE (SAND 0-5%). 1-CLAY OR SHALE WITH SAND STREAKS (SAND 5-25%). 2-CLAY OR SHALE AND SAND (SAND 25-60%). 3-SAND WITH SHALE STREAKS (SAND 60-90%). S-SAND (90-100%).

NOTE: SHOW FLUID CONTENT AS IN STANDARD LEGEND.

SHELL OIL COMPANY

Date ~~WEEKENDING~~ August 14, 1961

CORE FROM 6265 TO 6294

CORES EXAMINED BY Thurber and Few

CORE RECORD

AREA OR FIELD Wildcat

COMPANY Shell Oil Company

LEASE AND WELL NO. Murphy Range #1

NO.	FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATIONS OIL - GAS
							CORE OR DITCH
4	6265	6325	58'	<u>Dolomite</u> and <u>Limestone</u> .		None	Bleeding dark brown oil and sulphur water. Good yellow fluorescence and cut fluor.
	6265	6270	5'	<u>Dolomite</u> , tan - light brown, III VFA, with occasional white crystalline inclusions 1/2" - 1", and occasional light greenish tan waxy shale partings.			
	6270	6273	3'	<u>Dolomite</u> , tan - light brown, III VF B tr-3%, pale yellow uniform fluorescence, weak pale yellow cut fluorescence.			
	6273	6276	3'	<u>Dolomite</u> , light - medium brown, III VF B tr-3%, with occasional clear crystalline anhydrite inclusions, spotty pale yellow fluorescence, weak pale yellow cut fluorescence.			
	6276	6277	1'	<u>Dolomite</u> , light brownish gray - medium gray, III-III/IVFA, pyrite inclusions, bright yellow fluorescence on fractures, fair yellow cut fluorescence.			
	6277	6278	1'	<u>Limestone</u> , medium brown - tan, I F-M tr B tr C, occasional pyrite inclusions, pale yellow fluorescence and cut fluorescence.			
	6278	6281	3'	<u>Dolomite</u> , white - tan, III-III/IVF B ₃₋₈ C ₅₋₁₀ , rare crystalline anhydrite inclusions, abundant leached fossil fragments, bleeding dark brown oil, bright yellow fluorescence and cut yellow cut fluorescence.			
	6281	6287	6'	<u>Dolomite</u> , light tan - gray, III/IVFA B ₅₋₁₀ C ₁₀₋₁₅ , bleeding dark brown oil, fluorescence as above.			
	6287	6288	1'	<u>Dolomite</u> , cream - tan, I/III VF B ₅ C ₅₋₁₀ , bleeding dark brown oil, good yellow fluorescence and pale blue yellow cut fluorescence.			
	6288	6290	2'	<u>Limestone</u> , white - very light tan, I F-L A.			
	6290	6291	1'	<u>Dolomite</u> , light gray, I/III VF-F B ₃₋₅ tr C, spotty yellow fluorescence on dark brown oil stain, blue yellow cut fluorescence.			
	6291	6294	3'	<u>Limestone</u> , light gray - light gray tan, I-I/III VFA, occasional dark brown oil stain, 15% pale yellow fluorescence and blue yellow cut fluorescence.			

SYMBOLS: C-CLAY OR SHALE (SAND 0-5%). 1-CLAY OR SHALE WITH SAND STREAKS (SAND 5-25%). 2-CLAY OR SHALE AND SAND (SAND 25-60%). 3-SAND WITH SHALE STREAKS (SAND 60-90%). S-SAND (90-100%).

NOTE: SHOW FLUID CONTENT AS IN STANDARD LEGEND.

SHELL OIL COMPANY

Date ~~WEEKENDING~~ August 14, 1961

CORE FROM 6294 TO 6314

CORES EXAMINED BY Thurber and Few

CORE RECORD

AREA OR FIELD Wildcat

COMPANY Shell Oil Company

LEASE AND WELL NO. Murphy Range #1

NO.	FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATIONS
							OIL-GAS CORE OR DITCH
6294	6298	4'		<u>Limestone</u> , light gray, I-I/III VF-MA, occasional tr C, yellow fluorescence on vertical fractures, yellow cut fluorescence.			
6298	6299	1'		<u>Dolomite</u> , light gray, I-I/III VFA tr-5% C, with interbedded limestone, as above, occasional light gray green shale partings, spotty yellow-orange fluorescence and cut fluorescence, occasional dark brown oil stain.			
6299	6302	3'		<u>Limestone</u> , light gray - very light tan, IVF-Ma tr B, occasional fossil fragments, trace pale yellow fluorescence and blue yellow cut fluorescence.			
6302	6305	3'		<u>Limestone</u> , as above, with trace C and D porosity, dark brown - brown black oil stain along fractures and vugs, pale yellow fluorescence and cut fluorescence along fractures and vugs.			
6305	6307	2'		<u>Dolomite</u> , medium brown - gray, III VF B _{tr} -5% tr C, uniform dark brown oil stain, pale - bright yellow fluorescence and cut fluorescence, some oil bleeding.			
6307	6308	1'		<u>Dolomite</u> , as above with B ₃ C ₅ porosity.			
6308	6309	1'		<u>Dolomite</u> , light brown, III VF B ₅₋₁₀ C ₅₋₁₀ tr D, uniform dark brown - black oil stain, some oil bleeding, pale yellow fluorescence and good bright yellow cut fluorescence.			
6309	6310	1'		<u>Dolomite</u> , light gray, III-I/III VF B ₃ C ₅ , dark brown - black oil stain, some oil bleeding, 40% pale yellow fluorescence and cut fluorescence.			
6310	6311	1'		<u>Dolomite</u> , light gray, III VFA tr B tr C, dark brown - black oil stain, no fluorescence, good bright yellow cut fluorescence.			
6311	6312	1'		<u>Dolomite</u> , light brown, I/III VFA, fossil fragments.			
6312	6313	1'		<u>Limestone</u> , light brown, III/I VFA, abundant fossils, occasional dark gray and green shale partings.			
6313	6314			Sample skip.			

SYMBOLS: C-CLAY OR SHALE (SAND 0-5%). 1-CLAY OR SHALE WITH SAND STREAKS (SAND 5-25%). 2-CLAY OR SHALE AND SAND (SAND 25-60%). 3-SAND WITH SHALE STREAKS (SAND 60-90%). S-SAND (90-100%).

NOTE: SHOW FLUID CONTENT AS IN STANDARD LEGEND.

SHELL OIL COMPANY

Date August 14, 1961CORE FROM 6314 TO 6323CORES EXAMINED BY Thurber and Few

CORE RECORD

AREA OR FIELD WildcatCOMPANY Shell Oil CompanyLEASE AND WELL NO. Murphy Range #1

NO.	FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATIONS OIL- GAS
							CORE OR DITCH
6314	6317	3'		<u>Dolomite</u> , light gray, III/I VF B tr 3 C ₃₋₅ %, occasional brown oil stain, no fluorescence, very faint pale yellow cut fluorescence.			
6317	6318			Sample skip.			
6318	6319	1'		<u>Dolomite</u> , white - very light tan, III VFA tr B, trace dark brown oil stain, spotty pale yellow fluorescence and cut fluorescence.			
6319	6320	1'		<u>Dolomite</u> , light gray, III-III/I VF-MA tr B tr C, calcareous, intercrystalline porosity, occasional brown oil stain, spotty pale yellow fluorescence and blue yellow cut fluorescence.			
6320	6322	2'		<u>Limestone</u> , light gray - pink, III-III/I VF-Ma tr B tr C, occasional brown oil stain, spotty pale yellow fluorescence and faint cut fluorescence.			
6322	6323	1'		<u>Dolomite</u> , light gray, III-I/III VFA tr B tr C, occasional light green shale partings, occasional dark brown oil stain, no fluorescence, very faint poor cut fluorescence.			

SYMBOLS: C-CLAY OR SHALE (SAND 0-5%). 1-CLAY OR SHALE WITH SAND STREAKS (SAND 5-25%). 2-CLAY OR SHALE AND SAND (SAND 25-60%). 3-SAND WITH SHALE STREAKS (SAND 60-90%). S-SAND (90-100%).

NOTE: SHOW FLUID CONTENT AS IN STANDARD LEGEND.

SHELL OIL COMPANY

CORE RECORD

Date August 16, 1961

CORE FROM 6325 TO 6343

CORES EXAMINED BY Thurber & Few

AREA OR FIELD Wildcat

COMPANY Shell Oil

LEASE AND WELL NO. Murphy Range #1

NO.	FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATIONS
							OIL-GAS CORE OR DITCH
5	6325	6359	29'	<u>Limestone, Shale and Dolomite</u>			Occasional
	6325	6326	1'	<u>Limestone</u> , tan-light grey, IVF-FA, no fluorescence or cut fluorescence			observed good gas
	6326	6329	3'	<u>Limestone</u> , tan, IF-MA, pale yellow fluorescence and dark grey stylolite streaks, no cut fluorescence.			odor, dead
	6329	6330	1'	<u>Limestone</u> , light-medium brown, IVF-MA, occasionally grey green shale partings. No fluorescence or cut fluorescence			oil staining, trace of
	6330	6332	2'	<u>Shale</u> , pale light green, waxy, with interbedded dolomite, light grey tan I/III VFA, occasionally pyrite inclusions			pale yellow
	6332	6333	1'	<u>Limestone</u> light grey-tan, I/III VF-FA, with cream colored opaque chert streaks to 1/2" thick, gas odor on fresh fracture, no fluorescence or cut fluorescence			fluorescence and
	6333	6337	4'	<u>Limestone</u> , tan IVF-FA, Shell and crinoid fragments, gas odor on fresh fracture. No fluorescence or cut fluorescence			faint cut
	6337	6339	2'	<u>Limestone</u> cream-light grey, IF-M, occasional L, A, occasional III/I VF-FA, with streaks dolomite, white chalky, IIVFA, no fluorescence or cut fluorescence			fluorescence
	6339	6341	2'	<u>Limestone</u> as above with occasional white chert streaks to 1" thick. No fluorescence or cut fluorescence			
	6341	6342	1'	<u>Dolomite</u> , light-medium grey, III - III/IVF-FA, occasionally light grey chert streaks, occasionally pyrite streaks, trace dark grey staining, 40% very pale yellow fluorescence, very faint pale yellow cut fluorescence			
	6342	6343	1'	<u>Dolomite</u> , light grey-cream, III VF-FA trace B, gas odor on fresh fracture. No fluorescence or cut fluorescence			

SYMBOLS: C-CLAY OR SHALE (SAND 0-5%). 1-CLAY OR SHALE WITH SAND STREAKS (SAND 5-25%). 2-CLAY OR SHALE AND SAND (SAND 25-60%). 3-SAND WITH SHALE STREAKS (SAND 60-90%). S-SAND (90-100%).

NOTE: SHOW FLUID CONTENT AS IN STANDARD LEGEND.

SHELL OIL COMPANY

Date August 16, 1961

WELL NUMBER

CORE FROM 6343 TO 6359

CORES EXAMINED BY Thurber & Few

CORE RECORD

AREA OR FIELD Wildcat

COMPANY Shell Oil Company

LEASE AND WELL NO. Murphy Range #1

NO.	FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATIONS OIL - GAS
							CORE OR DITCH
6343	6344	1'		<u>Dolomite</u> tan-light grey III F-VF, B ₅ C ₅ , trace black dead oil stain with occasional white shale streaks, gas odor on fresh fracture, no fluorescence. Very faint pale yellow cut fluorescence			
6344	6346	2'		<u>Dolomite</u> cream - light grey III - III/IVF-M, B ₃ C ₂ - 5 track dark brown-black oil stain in vugs, occasionally white shale partings, gas odor as above, no fluorescence, very faint pale yellow cut fluorescence			
6346	6350	4'		<u>Dolomite</u> , tan-light grey, I/III VF-F, occasional M, B ₃ C ₅ trace D, oil stain, as above, gas odor as above with occasional white shale partings, no fluorescence or cut fluorescence			
6350	6352	2'		<u>Dolomite</u> , cream-tan III- III/I VF-F B ₃ C _{tr-3} with occasional white shale partings, black dead oil stain, gas odor as above, no fluorescence or cut fluorescence			
6352	6354	2'		<u>Dolomite</u> , light grey III - I/III F-M B _{tr-3} C _{tr-3} , abundant black dead oil stain, trace pale yellow fluorescence and faint blue yellow cut fluorescence			
6354	6359	5'		No Recovery			

SYMBOLS: C-CLAY OR SHALE (SAND 0-5%). 1-CLAY OR SHALE WITH SAND STREAKS (SAND 5-25%). 2-CLAY OR SHALE AND SAND (SAND 25-60%). 3-SAND WITH SHALE STREAKS (SAND 60-90%). S-SAND (90-100%).

NOTE: SHOW FLUID CONTENT AS IN STANDARD LEGEND.

SHELL OIL COMPANY

AREA OR FIELD Wildcat
 COMPANY Shell Oil Company
Murphy Range
 LEASE AND WELL NO. No. 1

Date August 17, 1961
 CORE FROM 6361 TO 6381
 CORES EXAMINED BY Thurber and Few

CORE RECORD

NO.	FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATIONS OIL- GAS
							CORE OR DITCH
6	6361	6381	20	<u>Dolomite</u>			
	6361	6361½	½'	<u>Shale</u> , dark red-maroon with light gray mottling. This does not belong in the section and must have been due to hole sloughing.		None	Gas odor on
	6361½	6362	½'	<u>Dolomite</u> , light brown, III VFA, clean.		Observed	fresh
	6362	6364	2'	<u>Dolomite</u> , light gray, III VF-B3, C1-3, scattered pyrite crystals.			fractures
	6364	6366	2'	<u>Dolomite</u> , white-very light gray, III VF-F, B3-5, C3-5, with occasional white chalky anhydrite inclusions, trace dark brown-black dead oil stain, trace pale blue yellow fluorescence on stain, no cut fluorescence.			throughout
	6366	6367	1'	<u>Dolomite</u> , light gray, III F, occasional M, B8, C5, abundant dark brown dead oil stain.			core. Dead
	6367	6371	4'	<u>Dolomite</u> , light gray-very light tan, III VF-F, B3-5, C3-5, trace D, occasional calcite streaks, streaks of brown and black dead oil stain.			oil stain,
	6371	6375	4'	<u>Dolomite</u> , light gray, III VF-F, B3-5, C5-10, trace D, occasional clear anhydrite crystals, abundant brown and black dead oil stain, trace pale blue fluorescence on vugs, no cut fluorescence.			trace fluores-
	6375	6377	2'	<u>Dolomite</u> , light gray, I/III VF Btr-2, Ctr-5, occasional black dead oil stain.			cence, no cut
	6377	6379	2'	<u>Dolomite</u> , light gray, III VF, occasional F, Btr-3, occasional black dead oil stain.			fluorescence
	6379	6381	2'	<u>Dolomite</u> , white-very light gray, III/I VF, B5, C5-8, trace dark brown oil stain, no fluorescence or cut fluorescence.			
Occasional vertical to 60° fractures in bottom 5 feet of core.							

SHELL OIL COMPANY

Date August 18, 1961

WEEK-ENDING
CORE FROM 6381 TO 6392

CORES EXAMINED BY Thurber & Few

CORE RECORD

AREA OR FIELD Wildcat

COMPANY Shell Oil Company

LEASE AND WELL NO. Murphy Range #1

NO.	FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATIONS OIL-GAS
							CORE OR DITCH
7	6381	6421	40'	<u>Dolomite</u> with occasional pale green shale partings		None	Fair gas
	6381	6382	1'	<u>Dolomite</u> , tan-light grey, IIIIVF B ₃ C ₃ black dead oil stain in vugs, trace pale yellow fluorescence and faint yellow cut fluorescence on vugs		Observed	odor on fresh fracture through-out core
	6382	6383	1'	<u>Dolomite</u> , light brown, III B ₃ C ₅₋₁₀ trace D, stylolite streaks, occasional white crystalline anhydrite inclusions, occasional dark brown-black stain in vugs, trace pale blue yellow fluorescence and cut fluorescence on vugs.			traces of pale blue yellow fluorescence and cut fluorescence on vugs
	6383	6384	1'	<u>Dolomite</u> light grey, IIIIVF B ₅ C ₁₀ trace D, brown oil stain in vugs, trace 10% pale blue yellow fluorescence and cut fluorescence on vugs.			occasional to abundant dead oil stain
	6384	6385	1'	<u>Dolomite</u> , light grey, III/IVF B _{tr-3} C _{tr-5} occasional brown oil stain as above tr 10% fluorescence and cut fluorescence as above			
	6385	6387	2'	<u>Dolomite</u> , light grey-tan, IIIIVF B ₅ C ₅₋₁₀ trace D, occasional brown oil stain as above, trace 10% fluorescence and cut fluorescence as above			
	6387	6388	1'	<u>Dolomite</u> light grey, IIIIVF B ₃ C ₁₀₋₁₅ trace D, heavy dark grey dead oil stain in vugs, trace fluorescence and cut fluorescence as above			
	6388	6389	1'	<u>Dolomite</u> , tan, III-III/I VF B ₃₋₅ C _{tr-5} white sucrosic anhydrite inclusions occasional dead oil stain as above, trace fluorescence and cut fluorescence as above			
	6389	6392	3'	<u>Dolomite</u> very light grey - very light tan, III-III/I VF B ₅ C ₁₀ occasional pale green shale partings, abundant dark brown and black dead oil stain in vugs, trace fluorescence and cut fluorescence as above			

SYMBOLS: C-CLAY OR SHALE (SAND 0-5%). 1-CLAY OR SHALE WITH SAND STREAKS (SAND 5-25%). 2-CLAY OR SHALE AND SAND (SAND 25-60%). 3-SAND WITH SHALE STREAKS (SAND 60-90%). S-SAND (90-100%).

NOTE: SHOW FLUID CONTENT AS IN STANDARD LEGEND.

SHELL OIL COMPANY

Date August 18, 1961

WEEK ENDING CORE FROM 6392 TO 6413

CORES EXAMINED BY Thurber & Few

CORE RECORD

 AREA OR FIELD Wildcat
 COMPANY Shell Oil Company
 LEASE AND WELL NO. Murphy Range #1

NO.	FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATIONS OIL-GAS
							CORE OR DITCH
7	6392	6395	3'	Dolomite, light grey, II ¹ VF-F, trace B trace C, occasional spotty dead oil stain, occasional stylolite streaks occasional crinoids, occasional pale green shale partings			As Above
	6395	6397	2'	Dolomite, tan III VF trace B, calcite inclusions and hairline healed fractures, occasional stylolite streaks, trace pyrite inclusions			
	6397	6399	2'	Dolomite, light brown, III-I/III VFA, occasional white sucrosic anhydrite filled fracture and inclusions trace 5% pale blue yellow fluorescence and fair bright-pale yellow cut fluorescence			
	6399	6402	3'	Dolomite, light grey-very light tan, III VF-F B _{tr-3}			
	6402	6403	1'	Dolomite, tan, III VF trace B trace 5 C, calcite filled fracture and inclusions			
	6403	6404	1'	Dolomite, tan light grey, III-III/I VF B ₃ C ₅ , occasional pyrite inclusions, occasional dark brown-black dead oil stain, trace pale blue yellow fluorescence and very faint pale blue yellow cut fluorescence			
	6404	6409	5'	Dolomite, light grey-cream, III/I VFA trace B, slight calcareous, occasional pale green shale partings, occasional dark grey stylolite streaks			
	6409	6410	1'	Dolomite light cream, I/III VFA trace B, occasional pale green shale partings, occasional black dead oil stain			
	6410	6411	1'	Dolomite, light brown, III VF B ₂ C ₅ black dead oil stain in vugs, occasional white crystalline anhydrite inclusions, trace blue yellow fluorescence on vugs, no cut fluorescence			
	6411	6413	2'	Dolomite tan-red brown, III VFA trace B & C, occasional calcite inclusions			

SYMBOLS: C-CLAY OR SHALE (SAND 0-5%). 1-CLAY OR SHALE WITH SAND STREAKS (SAND 5-25%). 2-CLAY OR SHALE AND SAND (SAND 25-60%). 3-SAND WITH SHALE STREAKS (SAND 60-90%). S-SAND (90-100%).

NOTE: SHOW FLUID CONTENT AS IN STANDARD LEGEND.

SHELL OIL COMPANY

Date August 18, 1961WEEK ENDING August 18, 1961CORE FROM 6413 TO 6421CORES EXAMINED BY Thurber & Few

CORE RECORD

AREA OR FIELD WildcatCOMPANY Shell Oil CompanyLEASE AND WELL NO. Murphy Range #1

NO.	FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATIONS OIL-GAS
							CORE OR DITCH
7	6413	6414	1'	<u>Dolomite</u> , light grey, III VF B ₃ C ₃ , heavy black dead oil stain in vugs			As Above
	6414	6417	3'	<u>Dolomite</u> , cream-light tan, I/III - III/I VF-FA, trace B, pale green shale partings, trace blue yellow fluorescence and faint blue yellow cut fluorescence			
	6417	6419	2'	<u>Dolomite</u> , white-light grey, III/I VF B ₅ C ₃₋₅ , occasional streaks of black dead oil stain, trace fluorescence and faint cut fluorescence as above			
	6419	6421	2'	<u>Dolomite</u> , white-light grey, I/III VF-M VF B _{tr-5} C _{tr-1} with pale green shale partings, occasional calcite and anhydrite inclusions			

SYMBOLS: C-CLAY OR SHALE (SAND 0-5%). 1-CLAY OR SHALE WITH SAND STREAKS (SAND 5-25%). 2-CLAY OR SHALE AND SAND (SAND 25-60%). 3-SAND WITH SHALE STREAKS (SAND 60-90%). 5-SAND (90-100%).

NOTE: SHOW FLUID CONTENT AS IN STANDARD LEGEND.

SHELL OIL COMPANY

Date August 19, 1961

CORE FROM 6421 TO 6443

CORES EXAMINED BY Thurber and Few

CORE RECORD

AREA OR FIELD Wildcat

COMPANY Shell Oil Company

LEASE AND WELL NO. Murphy Range #1

NO.	FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATIONS OIL - GAS
							CORE OR DITCH
8	6421	6467	40'	Dolomite with occasional pale green shale partings and anhydrite inclusions.		None	Fair gas
	6421	6423	2'	Dolomite, white-light gray, III VF-F B5, C3-5, occasional black dead oil stain, trace blue yellow fluorescence, no cut fluorescence.		Observed	odor on fresh frac. through-out core.
	6423	6425	2'	Dolomite, cream-light gray, III VF-F, B3 C3, white anhydrite inclusions, occasional dark brown and black dead oil stain.			Occasional to abundant dead oil stain. Streaks of pale yellow fluorescence and cut fluorescence on vugs.
	6425	6426	1'	Dolomite, pink brown, III VF B3 tr C.			
	6426	6427	1'	Dolomite, light gray, III/I VF B3 tr C, dark gray stylolite streaks, occasional black dead oil stain.			
	6427	6429	2'	Dolomite, light gray, III VF B3-5 C5-10, brown oil stain in vugs, 15% pale yellow fluorescence and cut fluorescence.			
	6429	6430	1'	Dolomite, as above, with no fluorescence or cut fluorescence.			
	6430	6431	1'	Dolomite, as above, with 15% fluorescence and cut fluorescence as above.			
	6431	6432	1'	Dolomite, white-light gray, III-I/III VF B3 C3, abundant black dead oil stain in vugs.			
	6432	6433	1'	Dolomite, tan-pink brown, III VF Btr-3 Ctr-3, occasional white anhydrite inclusions, occasional stylolite streaks and pale green shale partings.			
	6433	6434	1'	Dolomite, light tan, III VF B5-10 C5-10, brown oil stain in vugs, 25% pale-bright yellow fluorescence and cut fluorescence.			
	6434	6435	1'	Dolomite, light gray-tan, III VF-f, B5 tr C, occasional stylolite streaks, occasional brown and black dead oil stain.			
	6435	6436	1'	Dolomite, light gray-tan, III/I VF B3-5 C3-5, occasional brown oil stain in vugs, 10% pale yellow fluorescence and cut fluorescence.			
	6436	6437	1'	Dolomite, light gray-very light brown, III VF B5 C3, brown oil stain as above and black dead oil stain, trace fluorescence and cut fluorescence as above.			
	6437	6438	1'	Dolomite, light gray-cream, III VFA-III/I VFA tr B.			
	6438	6439	1'	Dolomite, light gray-white, III-III/I VF B2 C2.			
	6439	6440	1'	Dolomite, as above, tr B, with pale green shale partings.			
	6440	6441	1'	Dolomite, light gray-tan, III VF B1-3 C3, occasional brown and black dead oil stain, trace fluorescence and cut fluorescence as above.			
	6441	6442	1'	Dolomite, light gray-tan, III/I VF B3 C5, brown and black dead oil stain in vugs, tr - 5% pale yellow fluorescence and cut fluorescence as above.			
	6442	6443	1'	Dolomite, as above, with 10% fluorescence and cut fluorescence as above.			

SYMBOLS: C-CLAY OR SHALE (SAND 0-5%). 1-CLAY OR SHALE WITH SAND STREAKS (SAND 5-25%). 2-CLAY OR SHALE AND SAND (SAND 25-60%). 3-SAND WITH SHALE STREAKS (SAND 60-90%). S-SAND (90-100%).

NOTE: SHOW FLUID CONTENT AS IN STANDARD LEGEND.

Date August 19, 1961

SHELL OIL COMPANY

AREA OR FIELD Wildcat

CORE FROM 6443 TO 6467

CORE RECORD

COMPANY Shell Oil Company

CORES EXAMINED BY Thurber and Few

LEASE AND WELL NO. Murphy Range #1

NO.	FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATIONS OIL-GAS
							CORE OR DITCH
8	6421	6467	40'	Continued			
	6443	6444	1'	<u>Dolomite</u> , light gray-very light tan, III-III/I VF B2 Ctr-3, occasional black dead oil stain.			
	6444	6445	1'	<u>Dolomite</u> , as above, with 10% pale yellow fluorescence and cut fluorescence.			
	6445	6449	4'	<u>Dolomite</u> , light gray, III VF B2-5, C3-5, occasional medium brown oil stain and black dead oil stain in vugs, 5-15% fluorescence and cut fluorescence as above.			
	6449	6450	1'	<u>Dolomite</u> , light gray-light tan, III-III/I VF B3-5 C5-7, abundant brown dead oil stain and black dead oil stain, no fluorescence or cut fluorescence.			
	6450	6451	1'	<u>Dolomite</u> , light tan-very light gray, I/III-III VF B1-3, occasional white anhydrite streaks.			
	6451	6452	1'	<u>Dolomite</u> , very light gray, I/III VF B5 C5-10, abundant brown dead oil stain in vugs, 5-10% fluorescence and cut fluorescence as above.			
	6452	6453	1'	<u>Dolomite</u> , very light gray, III VF B3 C5, dark brown dead oil stain in vugs.			
	6453	6455	2'	<u>Dolomite</u> , as above, with tr-5% fluorescence and cut fluorescence as above.			
	6455	6457	2'	<u>Dolomite</u> , cream-light gray, III VF B3-5 C3-5, occasional dark brown and black dead oil stain in vugs, 5-10% fluorescence and cut fluorescence as above.			
	6457	6459	2'	<u>Dolomite</u> , cream-light gray, III VF B1-2 tr C, 5% fluorescence and cut fluorescence as above.			
	6459	6461	2'	<u>Dolomite</u> , light cream-light gray-pink brown, III/I VF Btr-3 Ctr with occasional pale green shale partings.			
	6461	6467	6'	No recovery.			

SYMBOLS: C-CLAY OR SHALE (SAND 0-5%). 1-CLAY OR SHALE WITH SAND STREAKS (SAND 5-25%). 2-CLAY OR SHALE AND SAND (SAND 25-60%). 3-SAND WITH SHALE STREAKS (SAND 60-90%). S-SAND (90-100%).

NOTE: SHOW FLUID CONTENT AS IN STANDARD LEGEND.

SHELL OIL COMPANY

WEEK ENDING _____

CORE FROM 7149 TO 7193

CORES EXAMINED BY Woodward and See

CORE RECORD

AREA OR FIELD Wildcat

COMPANY Shell Oil Company

LEASE AND WELL NO. Murphy Range #1

NO.	FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATIONS OIL- GAS
							CORE OR DITCH
9	7149	7193	44'				
	7149	7159½	10½	<u>Dolomite</u> , white to light gray and light brown, IVF-FA, hard, dense, numerous dark gray stylolites and stylolitic shale partings, occasional well rounded fine-medium floating quartz grains associated with stylolites and shale partings, occasional glauconite.			A few shale partings suggests horizontal bedding
	7159½	7163	3½	<u>Dolomite</u> , as above, with abundant fine-medium well rounded floating quartz grains.			
	7163	7164	1	<u>Dolomite</u> , as above, with abundant fine-medium well rounded floating quartz grains (40% to 50%), in part grain supported.			
	7164	7182	18	<u>Sandstone</u> , white to light gray, very fine-medium, well rounded quartz grains, poor sorting, abundant dolomite cement, massive, hard, tight, numerous irregular waxy dark gray argillaceous laminae (possibly cross-bedding and contorted bedding due to load).			
	7182	7190	8	<u>Sandstone</u> , as above, with numerous wispy argillaceous streaks suggesting reworking by organisms.			
	7190	7193	3	<u>Dolomite</u> , gray, IIIVFA, very silty and argillaceous, abundant to common fine glauconite grains, irregular interbeds of fine sandstone, hard, tight, heavily burrowed.			

SYMBOLS: C-CLAY OR SHALE (SAND 0-5%). 1-CLAY OR SHALE WITH SAND STREAKS (SAND 5-25%). 2-CLAY OR SHALE AND SAND (SAND 25-60%). 3-SAND WITH SHALE STREAKS (SAND 60-90%). S-SAND (90-100%).

NOTE: SHOW FLUID CONTENT AS IN STANDARD LEGEND.

(SUBMIT IN TRIPLICATE)

Land Office Salt Lake City,
Utah
Lease No. 1-042698
Unit _____

	18	
		X

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	X
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

September 13, _____, 1961

Murphy Range

Well No. Unit #1 is located 1133 ft. from [S] line and 1760 ft. from [E] line of sec. 18

SW SE Sec. 18 28 S 19 E S.L.R.M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Wildcat San Juan Utah
(Field) (County or Subdivision) (State or Territory)

Kelly Dushing

The elevation of the ~~derrick floor~~ above sea level is 6275 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Abandonment Work

- Placed plugs through open end drill pipe as follows.
 - 50 sacks reg. cement 6740-6840 (across top of Ouray)
 - 75 sacks reg. cement 6150-6300 (across top of Leadville)
 - 75 sacks reg. cement 4185-4335 (across shoe of casing)
- Located top of hard cement in casing at 4110'. Tested with 6,000 psi. o.k.
- Cemented at surface with 10 sacks regular cement and installed abandonment marker. Abandoned 9-9-61

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Shell Oil Company

Address P. O. Box 1200

Farmington, New Mexico

Original Signed By
W. M. MARSHALL

By _____
W. M. Marshall
Title Division Exploitation Engineer

Notes: Estimated clean up date 10-13-61, weather permitting